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Total Number of Pages in This Submission

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Application Number

09/811,055; USPN 6,859,239

Filing Date

03/15/2001, Issued: 02/22/2005

First Named Inventor

James Andrew DeLong

Art Unit

2614

Examiner Name

Brian P. Yenke

Attorney Docket Number

107773-133181

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
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**Certificate**  
**AUG 24 2005**  
**of Correction**

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	SCHWABE, WILLIAMSON & WYATT, P.C.		
Signature			
Printed name	Steven J. Prewitt		
Date	08/17/2005	Reg. No.	45023

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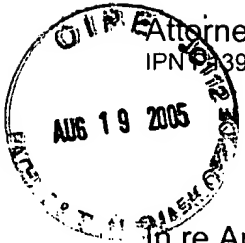
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Typed or printed name	Heather L. Adamson	Date	08/17/2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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AUG 23 2005



Attorney's Docket No.: 107773-133181

IPN 0939

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application for:

James Andrew DeLong

Application No.: 09/811,055

Filed: 03/15/2001

Patent No.: 6,859,239 B2

Issued: 02/22/2005

For: PROJECTION SYSTEM WITH  
FOLDED OPTICAL PATH

Examiner: Brian P. Yenke

Art Group: 2614

Confirmation No. 7273

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**REQUEST FOR CERTIFICATE OF CORRECTION**

Dear Sir:

Upon review of the above-referenced Letters Patent, Applicant noted errors that are the mistake of both the Applicant and the US Patent and Trademark Office. Those errors are as follows:

**In the Specification**

Column 4, line 18, "1024 pixelx768" should read --1024 pixel x 768--;

Column 5, line 48, "FIGS. 8-8C" should read --FIGS. 8A-8C--;

Column 6, line 5, "optical" should read --optical--;

Column 6, line 15, "center 148" should read --center 149--;

Column 6, line 43, "pupil 24)." should read --pupil 124).--;

Column 7, line 2, "includes;" should read --includes;--; and

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Claim 1 currently reads as follows:

1. An image display apparatus, comprising:
  - a source unit to generate a spatially uniform light beam that propagates along a first beam path in a first direction;
  - an imaging unit to collect and focus the light beam, wherein the imaging unit includes:
    - a first refractive optical element disposed in the first beam path,
    - a second refractive optical element disposed in the first beam path,
    - a first reflecting mirror disposed in a second beam path is oriented in a second direction that is different from the first direction and directed away from a digital micromirror device ("DMD"), and wherein the second reflecting mirror has a concave reflecting surface;
    - the DMD to receive the light beam reflected by the second reflecting mirror and disposed in a third beam path defined by the second reflecting mirror and the DMD, wherein the third beam path is oriented in a third direction from the second direction; and
    - a projection lens to collect and project the light beam reflected from the DMD and disposed in a fourth beam path defined by the DMD and the projection lens, wherein the fourth beam path is oriented in a fourth direction different from the third direction.

Claim 1 should read as follows (with changes showing):

- 1. An image display apparatus, comprising:
  - a source unit to generate a spatially uniform light beam that propagates along a first beam path in a first direction;
  - an imaging unit to collect and focus the light beam, wherein the imaging unit includes[[:]]:
    - a first refractive optical element disposed in the first beam path,
    - a second refractive optical element disposed in the first beam path,
    - a first reflecting mirror disposed in the first beam path, and
    - a first ~~second~~ reflecting mirror disposed in a second beam path defined by the first reflecting mirror and the second reflecting mirror,
    - wherein the second beam path is oriented in a second direction that is different from the first direction and directed away from a digital micromirror device ("DMD"), and wherein the second reflecting mirror has a concave reflecting surface;
    - the DMD to receive the light beam reflected by the second reflecting mirror and disposed in a third beam path defined by the second reflecting mirror and the DMD, wherein the third beam path is oriented in a third direction different from the second direction; and
    - a projection lens to collect and project the light beam reflected from the DMD and disposed in a fourth beam path defined by the DMD and the projection lens, wherein the fourth beam path is oriented in a fourth direction different from the third direction.--

This correct claim language reflects claim 1 as originally submitted and subsequently amended in the Examiner's amendment. Note that some of the non-amended language found in the original claim 1 was, however, inadvertently left out of the Examiner's amendment. Additionally, some of the language found in the Examiner's amendment was also left out of the printed claim.

Enclosed is a Certificate of Correction (in duplicate) and it is respectfully requested that a Certificate of Correction be issued. This request for correction is made under the provisions of 37 CFR 1.322 and 1.323.


Also enclosed is a check in the amount of \$100.00 for payment of the fee as set forth in 37 CFR § 1.20(a).

The Commissioner is hereby authorized to charge shortages or credit overpayments to Deposit Account No. 500393.

Respectfully submitted,

SCHWABE, WILLIAMSON & WYATT, P.C.

Dated: 8-17-05

  
Steven J. Prewitt  
Reg. No. 45023

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1211 SW Fifth Avenue  
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# UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 6,859,239 B2

APPLICATION NO.: 09/811,055

ISSUE DATE : 02/22/2005

INVENTOR(S) : James Andrew DeLong

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

### In the Specification

Column 4, line 18, "1024 pixelx768" should read --1024 pixel x 768--;

Column 5, line 48, "FIGS. 8-8C" should read --FIGS. 8A-8C--;

Column 6, line 5, "optical" should read --optical--;

Column 6, line 15, "center 148" should read --center 149--;

Column 6, line 43, "pupil 24)." should read --pupil 124).--;

Column 7, line 2, "includes;" should read --includes;--; and

Claim 1 should read as follows (changes showing):

--1. An image display apparatus, comprising:

a source unit to generate a spatially uniform light beam that propagates along a first beam path in a first direction;

an imaging unit to collect and focus the light beam, wherein the imaging unit includes[[:]]:

a first refractive optical element disposed in the first beam path,

a second refractive optical element disposed in the first beam path,

a first reflecting mirror disposed in the first beam path, and

a ~~first~~ second reflecting mirror disposed in a second beam path defined by the first reflecting mirror and the second reflecting mirror, wherein the second beam path is oriented in a second direction that is different from the first direction and directed away from a digital micromirror device ("DMD"), and wherein the second reflecting mirror has a concave reflecting surface;

the DMD to receive the light beam reflected by the second reflecting mirror and disposed in a third beam path defined by the second reflecting mirror and the DMD, wherein the third beam path is oriented in a third direction different from the second direction; and

a projection lens to collect and project the light beam reflected from the DMD and disposed in a fourth beam path defined by the DMD and the projection lens, wherein the fourth beam path is oriented in a fourth direction different from the third direction.--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

SCHWABE, WILLIAMSON & WYATT, P.C., Pacwest Center, Suite 1900, 1211 SW Fifth Ave., Portland, OR 97204

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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